

GenCore version 4.5
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Om protein - protein search, using sw model

Run on: December 26, 2001, 10:33:29 ; Search time 15.89 Seconds
Perfect score: 2540 (without alignments)
Sequence: 1 MKNNLVILISLFINQIKS.....QCDFANFLSISLLISYLL 468
Title: US-09-497-967-7
Perfect score: 2540
Sequence: 1 MKNNLVILISLFINQIKS.....QCDFANFLSISLLISYLL 468
662.778 Million cell updates/sec

Scoring table: BLOSUM62
Gapext 0.5
Searched: 212252 seqs, 22503292 residues
Total number of hits satisfying chosen Parameters: 212252
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*

Result No.	Score	Query	Match	Length	DB ID	Description
1	200.5	7.9	1345	2	US-08-977-767-3	Sequence 3, Appli
2	187.5	7.4	801	1	US-07-906-349A.6	Sequence 6, Appli
3	179.5	7.1	341	2	US-08-209-521-11	Sequence 11, Appli
4	175.5	6.9	3075	2	US-08-460-309-5	Sequence 5, Appli
5	175.5	6.9	3075	2	US-08-125-077-5	Sequence 5, Appli
6	166.5	6.6	969	2	US-08-284-941-2	Sequence 2, Appli
7	166.5	6.6	969	2	US-08-447-642-2	Sequence 2, Appli
8	166.5	6.6	969	5	PCT-0147A-2	Sequence 2, Appli
9	156.5	6.6	3111	2	US-08-460-309-4	Sequence 4, Appli
10	157	6.2	3111	2	US-08-125-077-4	Sequence 4, Appli
11	150.5	5.9	1111	1	US-08-317-450B15	Sequence 15, Appli
12	150.5	5.9	1111	4	US-08-800-593-15	Sequence 15, Appli
13	150.5	5.9	1193	4	US-08-317-450B13	Sequence 13, Appli
14	150.5	5.9	1193	4	US-08-800-593-13	Sequence 13, Appli
15	146	5.7	355	1	US-08-292-549-6	Sequence 6, Appli
16	146	5.7	355	4	US-09-006-353A-14	Sequence 14, Appli
17	143.5	5.6	610	1	US-08-365-470-3	Sequence 3, Appli
18	143.5	5.6	610	3	US-09-203-668-19	Sequence 19, Appli
19	143.5	5.6	610	4	US-09-009-490A-89	Sequence 89, Appli
20	143.5	5.6	610	6	5217870-2	Patent No. 5217870
21	143.5	5.6	610	1	US-08-185-32-16	Sequence 16, Appli
22	138	5.4	2471	1	US-08-590A-19	Sequence 19, Appli
23	138	5.4	2471	3	US-08-532-384-19	Sequence 19, Appli
24	135.5	5.3	2523	1	US-08-185-432-18	Sequence 18, Appli
25	135.5	5.3	1147	1	US-08-144-121-3	Sequence 6, Appli
26	132	5.2	1147	2	US-08-735-893-3	Sequence 3, Appli
27	132	5.2	1147	2	US-08-735-893-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972604
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yee, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977-767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLIGATE SOURCE:
; LIBRARY: Genbank
; CLONE: 1532042
; US-08-977-767-3

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	200.5	7.9	1345	2	US-08-977-767-3	Sequence 3, Appli
2	187.5	7.4	801	1	US-07-906-349A.6	Sequence 6, Appli
3	179.5	7.1	341	2	US-08-209-521-11	Sequence 11, Appli
4	175.5	6.9	3075	2	US-08-460-309-5	Sequence 5, Appli
5	175.5	6.9	3075	2	US-08-125-077-5	Sequence 5, Appli
6	166.5	6.6	969	2	US-08-284-941-2	Sequence 2, Appli
7	166.5	6.6	969	2	US-08-447-642-2	Sequence 2, Appli
8	166.5	6.6	969	5	PCT-0147A-2	Sequence 2, Appli
9	156.5	6.6	3111	2	US-08-460-309-4	Sequence 4, Appli
10	157	6.2	3111	2	US-08-125-077-4	Sequence 4, Appli
11	150.5	5.9	1111	1	US-08-317-450B15	Sequence 15, Appli
12	150.5	5.9	1111	4	US-08-800-593-15	Sequence 15, Appli
13	150.5	5.9	1193	4	US-08-317-450B13	Sequence 13, Appli
14	150.5	5.9	1193	4	US-08-800-593-13	Sequence 13, Appli
15	146	5.7	355	1	US-08-292-549-6	Sequence 6, Appli
16	146	5.7	355	4	US-09-006-353A-14	Sequence 14, Appli
17	143.5	5.6	610	1	US-08-365-470-3	Sequence 3, Appli
18	143.5	5.6	610	3	US-09-203-668-19	Sequence 19, Appli
19	143.5	5.6	610	4	US-09-009-490A-89	Sequence 89, Appli
20	143.5	5.6	610	6	5217870-2	Patent No. 5217870
21	143.5	5.6	610	1	US-08-185-32-16	Sequence 16, Appli
22	138	5.4	2471	1	US-08-590A-19	Sequence 19, Appli
23	138	5.4	2471	3	US-08-532-384-19	Sequence 19, Appli
24	135.5	5.3	2523	1	US-08-185-432-18	Sequence 18, Appli
25	135.5	5.3	1147	1	US-08-144-121-3	Sequence 6, Appli
26	132	5.2	1147	2	US-08-735-893-3	Sequence 3, Appli
27	132	5.2	1147	2	US-08-735-893-3	Sequence 3, Appli

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Query Match 7.9%; Score 200.5; DB 2; Length 1345;
Best Local Similarity 25.8%; Pred. No. 3..3e-09; Gaps 17;
Matches 111; Conservative 5; Mismatches 212; Indels 103; Gaps 17;
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21 ANCPVGTTTNTAQVQDDLG-TPANCYNCQKNFYYNNAAAFYVGAS ---TCTPPCPQKKDAG 76
b 649 AGCACGGAGGGACTGGCTGTGACACAGATCAACCATCAGGGTTCTCTGCTGAGGTG 708
b 709 CAACTCACACATCAACAAAGAACTTGAACTGGAAACCTGCGCCAA-----CC 759
b 760 AGGGCCCAA - TGGCTGGCCATTCTAGGCTCTTGCAATGT --- 803
b 190 RLNFYYNGNNGNTPFPNGKSQTCPCPAIKPANVAQATLGNDAITTAQCNVACPDGTISAA 249
b 804 -----GGCTG-----GTAGCT-CAAACCCGGTCTCTAGACGCCCTCTAACCGTGACA 850
b 250 GVNNVVAQNTECTNCAPNYYNNAPNENGNSTCLPCPANKDGAETAGGATLAKCN 309
b 851 C-----CATCA-----CCGCATCTCC-----TATAAGATGATGCC 882
b 310 IACPDTAISGATNYVILOTECLINCAANFYFDGNNFQAGSSRKCACPANKV ---QGAV 365
b 883 TAC-----TTTCCTCAAGAACCTGAGCCCTGAGCTCCCTGCCCCGAGTC 926
b 366 ATAGGTTATLIAOCALECPAGTVLTDGTTSYKQAASECEYKCAANFYTIQTDWVAGIDTC 425
b 927 CTTGGCTCTATCA - CTTATCAGGGCTCTCTAGCACCCAC -CCCTGCT -CGGAGAC 980
b 426 TSCNKNLTSGA 436
b 981 TGTACCTGGGA 991
b

RESULT 2
US-07-906-349A-6
Sequence 6, Application US/07906349A
; Patent No. 5434064
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnik, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: A NOVEL EXPRESSION-CLONING METHOD FOR
; IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES AND
; TARGET PROTEINS
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,349A
; FILING DATE: 30-JUN-1992
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/643,237
; FILING DATE: 18-JAN-1991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-737-3528
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
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FILING DATE: 08-MAR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Van Ryselberhe, Pierre C.
REGISTRATION NUMBER: 33,557
SEQUENCE/DOCKET NUMBER: OHSU 306A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (503) 224-6655
TELEFAX: (503) 295-6679
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 311 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
POSITION IN GENOME:
MAP POSITION: 3p21.3-23
US-08-209-521-11

Query Match Score 179;5 DB 2; Length 341;
Best Local Similarity 25.88; Pred. No. 3.8e-08;
Matches 98; Conservative 9; Mismatches 130; Indels 143; Gaps 20;
Query 134 ASTCTACPVNRGGALTAGNAAATIVAQCNVACPTGTALDGVTIDYVRFTECVKRUN 193
Db 3 ATTCAAAG---AGATTTGAAATGAGTAACAT----GATTATTACT-CATC---- 47
Query 194 YINGNNGNTPFPNGKSOCT - PCPAKPKPANVAQATLGNDAT-----TAQCNV 239
Db 48 -----TTTTTGGTATCTAACAAAGAAGATCIGGATATGTTGAAAGGKTCAG-T 99
Query 240 ACPDGTSAAAGNNWYQAQNTECTNCAPNFTNNAPNENGNSTOLCPANKDYGAEATAG 299
Db 100 ACTAGTAA-----CTGCA-----GTC-----CTTGAGGADTTA 130
Query 300 G-AATLAKQCNIACT-----PDGTA-----IASGATNNVYLQTECLNCA 337
Db 131 GCGAGTATTCCTACCTATGGTTGAGGTGAGCTAACCTAAAGAT-----TCAAA 180
Query 338 NEYFDGNNFQGSSR-CKACPANKVQGAVATAG-----GTATLIAQ 377
Db 181 GAAATCTKATAAATATCCTGATGACATCTTGTGATGACATCTTGTAGTAATTTCT 240
Query 378 CALECPAG-----TVDLGDGTSTYRQAASBCVKAANFYTTKOTDW 418
Db 241 CAAACATAGATAAAATAAGGTTGGTACCTTTACTGTAAATGTATGCC-ATGATGTC 298
Query 419 VAGIDCTT-SCNKRLTSGA 436
Db 299 AAA-TCTGIGCAAACCTTAA 316

RESULT 4
US-08-460-309-5
Sequence 5, Application US/08460309
Patent No. 5837496
GENERAL INFORMATION:
APPLICANT: Engvall, Eva
APPLICANT: Leivo, Ilmo
TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin
TITLE OF INVENTION: Fragments and Uses Thereof
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk

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COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/460,309
 FILING DATE: 30-JAN-1990
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/125,077
 FILING DATE: 22-SEP-1993
 APPLICATION NUMBER: US PCT/US 94/10730
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/472,319
 FILING DATE: 30-JAN-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/919,951
 FILING DATE: 27-JUL-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Kathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LA 9721
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 TELEFAX: (619) 535-8949
 INFORMATION FOR SBO ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3075 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-460-309-5

Query Match Score 6.9%; Score 175.5; DB 2; L
 Best Local Similarity 21.2%; Pred. No. 1.6e-06;
 Matches 110; Conservative 44; Mismatches 187; I

Qy 18 IKSANOPVGTETNTAGQVDDLGTPANCVNQKNNYNNAAAFVPGAA
 Db 706 VEHCECPQGY -----TGTSCECSLUSGYFVDGLFLF--G
 Qy 78 QPNPPATANLVTQCNVKCPAGTATAGATGATDYYAALITECVNCRINY
 Db 749 -----:AECHVH---:GVCI---:ACAHNTICVHCEQCLPGFY
 Qy 138 TACPVNRYVGALLAGNAATIVAQCNVACPGTALDDG--VTTDVFVR
 Db 792 -ACPL-----:TIAS:----:TIAS:----:NNESPT-CHNGDGEVYCDRA
 Qy 193 FYYNGNGNTPPNPGKSQCTPCPAITKVNQATQTLGNDATITAOQN
 Db 835 YYGN-----PTVGES-CVPDCD-:SGNVDPSERAGHCDSVTGC-
 Qy 253 NWQAQNTECTNCAPNFYNN -NAPN-----FNPNG
 Db 881 -----:HCERCADGFYGDAVTAKNCRACBHVKGSHSAVCHLETG
 Qy 292 -----:YGAETATAGGAATLAKOINCIACPDGTATASGATN-----
 Db 934 QCLHGYGIDDSGH-----:CRPDKC-:CSVAGSVSDGTCDEGOCHCV
 Qy 339 FYFDGNNFQAGSSRCKACPANKVQGAVATAGGTATLIAOCALERPA
 Db 987 FY-----AQDGS-:CTPDCDCPHQNTCDPETG-----:ECV--CPP
 Qy 393 TSTYKQAASECVKCANFVYTTKODWAGIDTC-----
 Db 1033 WGYDAEVGQACMSLIVGSTHHRCDVWTHGQCKSKFGGRACYQCS
 Qy 429 NKKLTSGAEANPES-----AKNNI---OCD 451
 Db 1033 DLRGTSGACNLBQGLCCVEETGACPKCENYFGPQCN 1130

Db 721 GSVKTSRKCVSVCPLGYFG----DTAARRCRCHKGCTCS-----RAATQCL 765
 Qy 188 KCRUNFYNNNGNTPNPNGKSQL-TPCPAIKPANVAQATGNDATITQCNVACPDGETI 246
 Db 766 SCRGFYHH-QEMNT-----CIVLCPAGFAYADESQKN-----CLKCHPSC---- 804
 Qy 247 SAAGVNNVVAQNTCTNCAPNYPNNNAPNPNGSTCLP-CPANKDYGAEATAGGAATLA 305
 Db 805 ----KKCVDDEPEKCVV-----KEGSILARGSCIPDCEPETYFOSELIRG---- 846
 Qy 306 KOCNIAQPOGTIAASATNTVILQTCILNAAANFYFD-----GNNFQAGS-----S 351
 Db 847 -BCHHTC- -GIVCVPGP-----REECIHCANKHFFHDWKCVPACGEYPERMPGLPHK 896
 Qy 352 RCKACPANKYQGAVATAGGTATLIAQCALECPACTVLTIDGTTSTYKQAASECYKCAANFY 411
 Db 897 VCCRCDEN-----CLSC-AG-----SSRNCRCKTGF- 922
 Qy 412 TTKTQTDWVAGIDTCTSCNKKLT-SGAEANLPESAKKNIQCD---FANPLSISLL 462
 Db 923 -----TQLGTSCTNHTCSNADETECIVMSNRICERKLFIQCCRULL 967
 RESULT 7
 ; Sequence 2, Application US/084447642
 ; Patent No. 5989890
 ; GENERAL INFORMATION:
 ; APPLICANT: BARR, PHILIP J
 ; APPLICANT: KIEFER, MICHAEL C
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR PACE 4 AND
 ; NUMBER OF SEQUENCES: 16
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: COOLEY GODWARD CASTRO HUDDLESON & TATUM
 ; STREET: FIVE PALO ALTO SQUARE
 ; CITY: PALO ALTO
 ; STATE: CALIFORNIA
 ; ZIP: USA
 ; ZIP: 94066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/447,642
 ; FILING DATE: 23-MAY-1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/284,941
 ; FILING DATE: 2-August-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: NEEDLEY PH.D., RICHARD L.
 ; REGISTRATION NUMBER: 300992
 ; REFERENCE/DOCKET NUMBER: CHIR-009/010S
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 843-5070
 ; TELEFAX: (415) 557-0663
 ; TELEX: 388816 COOLEY PA
 ; SEQUENCE FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 969 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-447-642-2

Db 672 PEDEEDYTAQTPGSANILQTSVCPPEC-GDKGCDGPNA-----QCLNC-VHF--SL 720
 Qy 128 PNFNAGASTCTACPYNVRGAGLTAGNAATIVQCNVACPTGTALDDGVTTDYVRSFTECV 187
 Db 721 GSVKTSRKCVSVCPLGYFG----DTAARRCRCHKGCTCS-----RAATQCL 765
 Qy 188 KCRUNFYNNNGNTPNPNGKSQL-TPCPAIKPANVAQATGNDATITQCNVACPDGTI 246
 Db 766 SCRGFYHH-QEMNT-----CIVLCPAGFAYADESQKN-----CLKCHPSC---- 804
 Qy 247 SAAGVNNVVAQNTCTNCAPNYPNNNAPNPNGSTCLP-CPANKDYGAEATAGGAATLA 305
 Db 805 ----KKCVDDEPEKCVV-----KEGSILARGSCIPDCEPETYFOSELIRG---- 846
 Qy 306 KOCNIAQPOGTIAASATNTVILQTCILNAAANFYFD-----GNNFQAGS-----S 351
 Db 847 -ECHHTC- -GTCVCPGP-----REECIHCANKHFFHDWKCVPACGEYPERMPGLPHK 896
 Qy 352 RCKACPANKYQGAVATAGGTATLIAQCALECPACTVLTIDGTTSTYKQAASECYKCAANFY 411
 Db 897 VCCRCDEN-----CLSC-AG-----SSRNCRCKTGF- 922
 Qy 412 TTKTQTDWVAGIDTCTSCNKKLT-SGAEANLPESAKKNIQCD---FANPLSISLL 462
 Db 923 -----TQLGTSCTNHTCSNADETECIVMSNRICERKLFIQCCRULL 967
 RESULT 8
 ; Sequence 2, Application US/09236503
 ; Patent No. 6277590
 ; GENERAL INFORMATION:
 ; APPLICANT: Barr, Phillip J
 ; APPLICANT: Kiefer, Michael C
 ; TITLE OF INVENTION: Compositions and Methods for PACE 4 and 4.1 Gene and
 ; FILE REFERENCE: CHIR-009/04US
 ; CURRENT APPLICATION NUMBER: US/09/236-503
 ; FILING DATE: 1993-01-25
 ; EARLIER APPLICATION NUMBER: 08/447,642
 ; EARLIER FILING DATE: 1995-05-23
 ; EARLIER APPLICATION NUMBER: 08/284,941
 ; EARLIER FILING DATE: 1994-09-02
 ; EARLIER APPLICATION NUMBER: 07/848,629
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 969
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-236-503-2

Query Match 6.6%; Score 166 5; DB 2; Length 969;
 Best Local Similarity 20.7%; Pred. No. 2.1e-06;
 Matches 86; Conservative 53; Mismatches 135; Indels 141; Gaps 25;

Db 672 PEDEEDYTAQTPGSANILQTSVCPPEC-GDKGCDGPNA-----QCLNC-VHF--SL 720
 Qy 128 PNFNAGASTCTACPYNVRGAGLTAGNAATIVQCNVACPTGTALDDGVTTDYVRSFTECV 187
 Db 721 GSVKTSRKCVSVCPLGYFG----DTAARRCRCHKGCTCS-----RAATQCL 765
 Qy 188 KCRUNFYNNNGNTPNPNGKSQL-TPCPAIKPANVAQATGNDATITQCNVACPDGTI 246
 Db 766 SCRGFYHH-QEMNT-----CIVLCPAGFAYADESQKN-----CLKCHPSC---- 804
 Qy 247 SAAGVNNVVAQNTCTNCAPNYPNNNAPNPNGSTCLP-CPANKDYGAEATAGGAATLA 305

STREET: Ten South Wacker Dr
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS
SOFTWARE: PatentIn Release 4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/39455
FILING DATE: 04-OCT-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Chao, Mark
REGISTRATION NUMBER: 37,293
REFERENCE/DOCKET NUMBER: 94

TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234

INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 1111 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-317-450B-15

NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,593
FILING DATE: 18-FEB-1997
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/311,450
FILING DATE: 04-OCT-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Chao, Mark
REGISTRATION NUMBER: 37,293
REFERENCE/DOCKET NUMBER: 94-778-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002

卷之三

1 ; APPLICANT: Kallunki, Pekka
1 ; APPLICANT: Pyke, Charles
1 ; TITLE OF INVENTION: Laminin Chains: Diagnostic and
1 ; TYPE OF INVENTION: therapeutic use

RESULT 14
US-08-317-450B-13
: Sequence 13. Application US/08317450B

Patent No. 5660882
 GENERAL INFORMATION
 APPLICANT: Tryggvason, Karl
 APPLICANT: Kallunki, Pekka
 APPLICANT: Pyke, Charles
 TITLE OF INVENTION: Laminin Chains: Diagnostic and Therapeutic Use
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BANNER & ALLEGRETTI, LTD.
 STREET: Ten South Wacker Drive
 CITY: Chicago
 STATE: Illinois
 COUNTRY: USA
 ZIP: 60606
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US-08/317,450B
 FILING DATE: 04-OCT-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Chao, Mark
 REGISTRATION NUMBER: 37,293
 REFERENCE/DOCKET NUMBER: 94,778
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1193 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-317-450B-13

78 QPNPPATANLVTCVQKCPGTAIAGGATDYAA1ITECVNCRINFYNNENAPNFNAGASTC 137
 Qy 18 IKSANCPCVGTEBTNTAGQVDDLGTPANCYNCQKNNYYNNAAAFYVGASTCTPCPCKDAGA 77
 Db 379 VEQCTCPVGTK---GQF-----CQDCASG--YKRSARLGGPFGTGTCIPCNQGGAC 424
 Qy 78 TACPVNRVGGALTAGNAATIVQ---CNAVACTGTALDDGVTYDVRSTFCVKCBLN 192
 Db 425 DPD-----TGDCVSGDENP---DIECADCPFGFYND---PH---DPRSC 459
 Qy 138 TACPVNRVGGALTAGNAATIVQ---CNAVACTGTALDDGVTYDVRSTFCVKCBLN 192
 Db 460 KPCPCHN-----GFSCSVTPETEEVVCN---NCPGPV 499
 Qy 193 FYYNGNNGNTPENPKSQCTPCPKPANVAQTLGNDATITAQCNVACPDTISAGVN 252
 Db 500 YFGDFGEHPVRE---CQPCQC -NSNVDPSAQNCDRLGRC-LKCINT---AGI- 548
 Qy 253 NWVQNTECTNCAPNFYNNN-APNPNPNSTCILCPANKDGAETAGGAATLAQCNIA 311
 Db 549 -----YCDQCKAGYFGDPLP--NPADK-CRACNCN-PMGSEP-----VG 584
 Qy 312 C-PDGTAIASGATNYVILQTECLNAANFYEDGNNFQAGSSRKAC-----P 357
 Db 585 CRSTGT-----CVCVCPGFEGPNCNEGAFSPACYNOVKTQMDQFMQQ 626
 Qy 358 ANKYGAVATAGGTATLIAQCALECPAGTVLIDGTTSTYKQAAESCYKCA 407
 Db 627 LQRNEALISKAQGGDGVYVDPTELE-----GRMQQAEQALQDILURDA 667

Query Match Score 150.5; DB 1; Length 1193;
 Best Local Similarity 20.8%; Pred. No. 7.1e-05; Score 150.5; DB 4;
 Matches 82; Conservative 49; Mismatches 138; Indels 141; Gaps 25;

Query Match Score 150.5; DB 1; Length 1193;
 Best Local Similarity 20.0%; Pred. No. 7.1e-05; Score 150.5; DB 4;
 Matches 82; Conservative 49; Mismatches 138; Indels 141; Gaps 25;

Qy 18 IRSANCPVGTENTAGQVDDGVTYDVRSTFCVKCBLN 192
 Db 379 VESCPICPVYK---GOF-----CQDCASG -YKRSARLGGPFGTGTCIPCNQGGAC 424
 Qy 78 QPNPPATANLVTCVQKCPGTAIAGGATDYAA1ITECVNCRINFYNNENAPNFNAGASTC 137
 Db 425 DPD-----TGDCVSGDENP---DIECADCPFGFYND---PH---DPRSC 459
 Qy 138 TACPVNRVGGALTAGNAATIVQ---CNAVACTGTALDDGVTYDVRSTFCVKCBLN 192
 Db 460 KPCPCHN-----GFSCSVTPETEEVVCN---NCPGPV 499
 Qy 193 FYYNGNNGNTPENPKSQCTPCPKPANVAQTLGNDATITAQCNVACPDTISAGVN 252
 Db 500 YFGDFGEHPVRE---CQPCQC -NSNVDPSAQNCDRLGRC-LKCINT---AGI- 548
 Qy 253 NWVQNTECTNCAPNFYNNN-APNPNPNSTCILCPANKDGAETAGGAATLAQCNIA 311
 Db 549 -----YCDQCKAGYFGDPLP--NPADK-CRACNCN-PMGSEP-----VG 584
 Qy 312 C-PDGTAIASGATNYVILQTECLNAANFYEDGNNFQAGSSRKAC-----P 357
 Db 585 CRSTGT-----CVCVCPGFEGPNCNEGAFSPACYNOVKTQMDQFMQQ 626
 Qy 358 ANKYGAVATAGGTATLIAQCALECPAGTVLIDGTTSTYKQAAESCYKCA 407
 Db 627 LQRNEALISKAQGGDGVYVDPTELE-----GRMQQAEQALQDILURDA 667

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 Db 379 VESCPICPVYK---GOF-----CQDCASG -YKRSARLGGPFGTGTCIPCNQGGAC 424
 Qy 78 QPNPPATANLVTCVQKCPGTAIAGGATDYAA1ITECVNCRINFYNNENAPNFNAGASTC 137
 Db 425 DPD-----TGDCVSGDENP---DIECADCPFGFYND---PH---DPRSC 459
 Qy 138 TACPVNRVGGALTAGNAATIVQ---CNAVACTGTALDDGVTYDVRSTFCVKCBLN 192
 Db 460 KPCPCHN-----GFSCSVTPETEEVVCN---NCPGPV 499
 Qy 193 FYYNGNNGNTPENPKSQCTPCPKPANVAQTLGNDATITAQCNVACPDTISAGVN 252
 Db 500 YFGDFGEHPVRE---CQPCQC -NSNVDPSAQNCDRLGRC-LKCINT---AGI- 548
 Qy 253 NWVQNTECTNCAPNFYNNN-APNPNPNSTCILCPANKDGAETAGGAATLAQCNIA 311
 Db 549 -----YCDQCKAGYFGDPLP--NPADK-CRACNCN-PMGSEP-----VG 584
 Qy 312 C-PDGTAIASGATNYVILQTECLNAANFYEDGNNFQAGSSRKAC-----P 357
 Db 585 CRSTGT-----CVCVCPGFEGPNCNEGAFSPACYNOVKTQMDQFMQQ 626
 Qy 358 ANKYGAVATAGGTATLIAQCALECPAGTVLIDGTTSTYKQAAESCYKCA 407
 Db 627 LQRNEALISKAQGGDGVYVDPTELE-----GRMQQAEQALQDILURDA 667

Db 585 CRSDDGT----- -CYCKPGFGGPNCERGA FSCPACYNOVKIQMDQFMQQ 626
QY 358 ANYQGAVATAAGTATLIAQQA LECCAGTVLTDGTTISTYKQAA SECVKCA 407
Db 627 LQRM EALISKAQGGDGVV PDTLE----- -GRM QQA EQLQDILRDA 667

Search completed: December 26, 2001, 10:35:54
Job time: 145 sec.